

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/089760 A1

(51) International Patent Classification⁷: E21B 47/12,
23/14, 44/00

(21) International Application Number: PCT/EP03/00746

(22) International Filing Date: 28 January 2003 (28.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2002A000853 22 April 2002 (22.04.2002) IT
MI2002A002331 4 November 2002 (04.11.2002) IT

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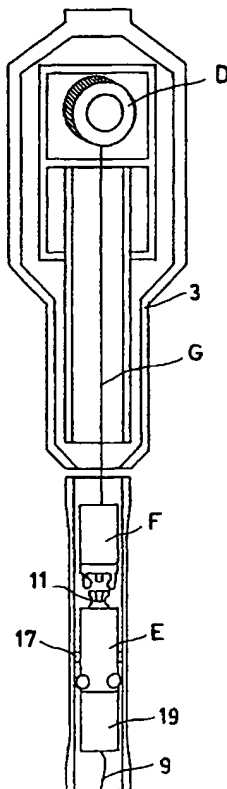
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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,

[Continued on next page]

(54) Title: TELEMETRY SYSTEM FOR THE BI-DIRECTIONAL COMMUNICATION OF DATA BETWEEN A WELL POINT
AND A TERMINAL UNIT SITUATED ON THE SURFACE



(57) Abstract: Telemetry system for the bi-directional communication of data between a well point and a terminal unit situated on the surface, which can be used inside drilling or production strings, comprising: data transmission and optional reception devices; an active vehicle (8), which can be equipped with various automation levels, ranging from purely tele-operated to completely autonomous, for unwinding and pulling a connection line, capable of moving inside the drilling or production string, or a passive vehicle (E), moved by means of a deploying cable (G) and a suitable winding/unwinding device (D), in particular a winch; a connection line (9), containing electric conductors and/or one or more optical fibres, of the transmission and optional reception devices between a well point and its corresponding point situated inside the vehicle or on the surface.

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